

FIG. 1

kNN Logic, Part I

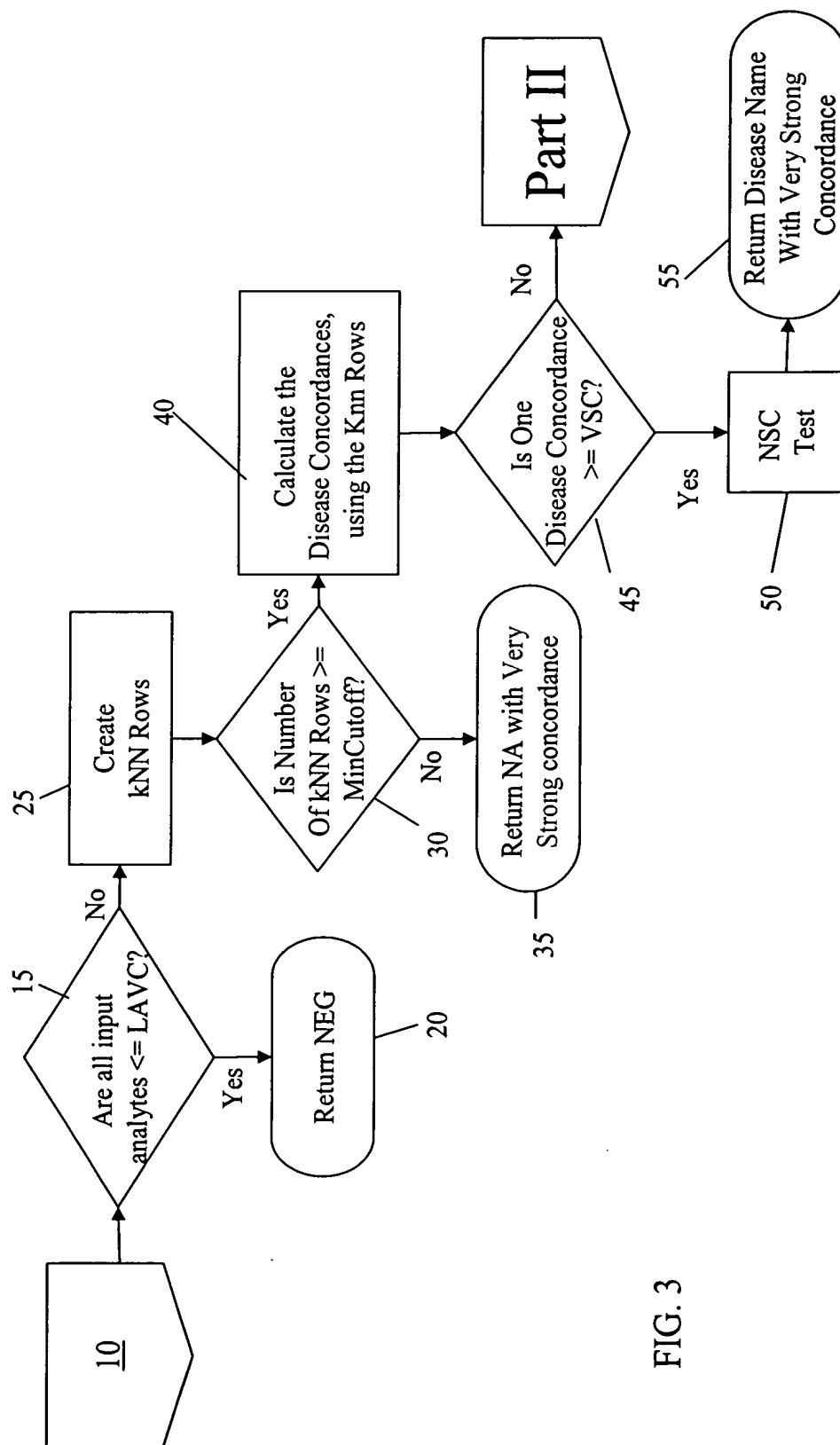


FIG. 3

kNN Logic, Part II

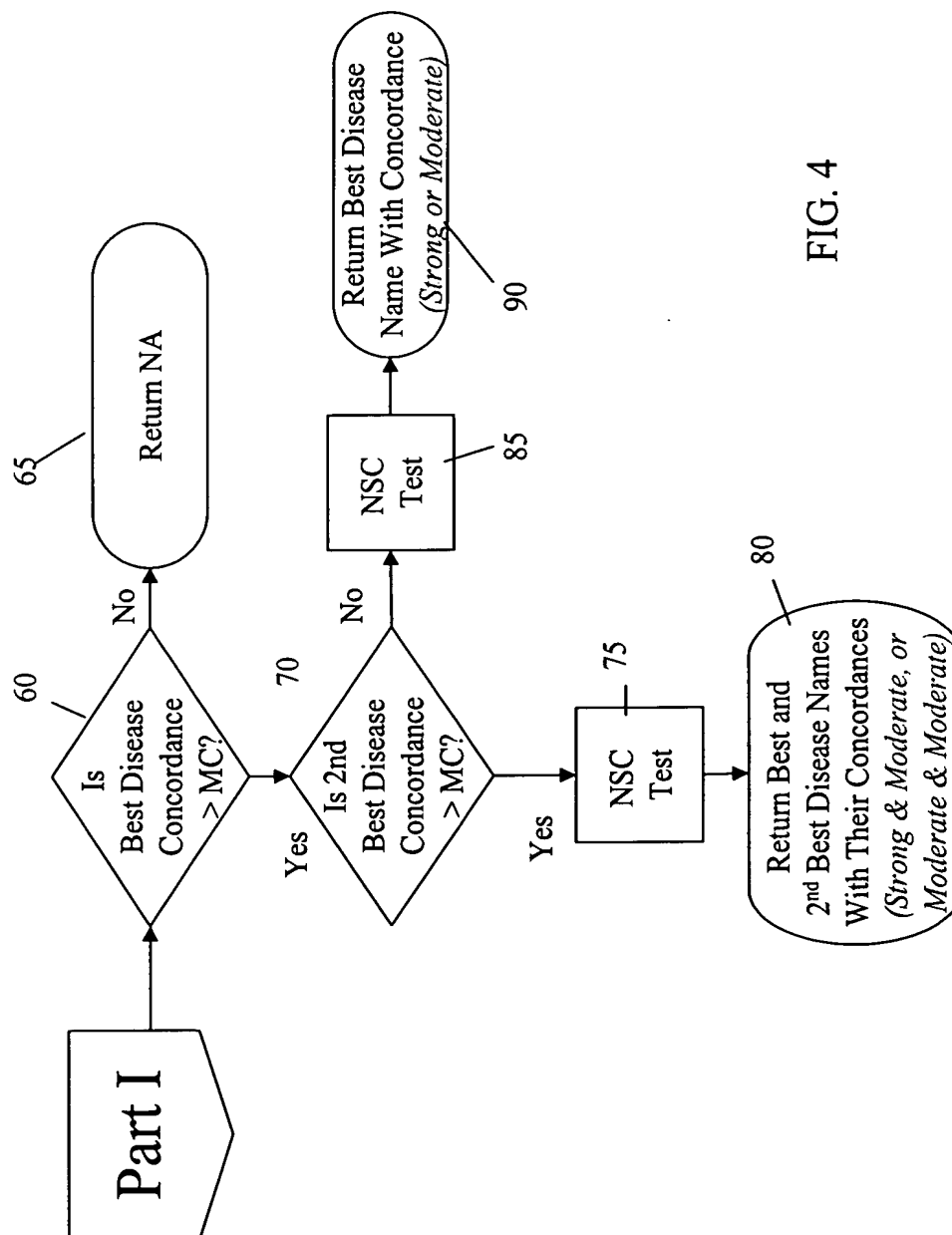




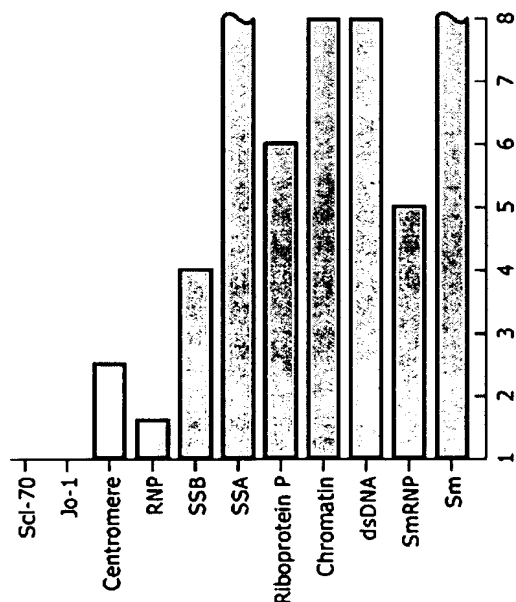
FIG. 4

Patient Result
MDSS Graph - Autoimmune

Accession Number: 458874
Patient Name: Matsuda, Osamu
Patient ID: 485857ma
Draw Date & Time: 02/22/2000 @ 02:45 p.m.
Result Date & Time: 02/22/2000 @ 04:42 p.m.

Lab Results



Possible Disease Association

☒ SLE

☐ Sjogren's Syndrome

☐ Myositis

☐ Scleroderma, CREST, or Raynaud's Phenomenon

☐ No Association with Systemic Disease Recognized by MDSS

Legend:

☐ None ☒ Moderate ☐ Strong ☒ Very Strong

Done

FIG. 5

Sample: SU015												Patient ID
dsDNA	DNP	RiboP	Smith	SmRNP	RNP	Sci70	Jo1	SSA	SSB	CentB	Diag.	Specificity
Patient:	96.9819	97.4399	46.0826	97.4399	4.1252	4.1252	4.1252	4.1252	7.8912	4.1252		
Row < 99>	68.7849	97.4399	76.0832	97.4399	88.9062	58.9055	4.1252	4.1252	4.1252	4.1252	SLE	56.2922%
Row < 565>	100.0000	97.4399	97.4399	17.5493	87.2086	75.3305	4.1252	4.1252	39.6587	4.1252	SLE	55.3676%
Row < 177>	100.0000	97.4399	11.3556	54.2218	97.4399	7.8912	25.4405	4.1252	32.1124	7.8912	SLE	51.0860%
Row < 135>	65.0992	97.4399	67.8925	97.4399	87.7819	68.7849	4.1252	4.1252	4.1252	4.1252	SLE	50.8687%
Row < 526>	100.0000	94.6162	4.1252	14.5631	90.0020	4.1252	4.1252	4.1252	25.4405	4.1252	SLE	47.0424%
Row < 35>	85.4418	97.4399	64.1265	11.3556	14.5631	25.4405	32.1124	4.1252	4.1252	4.1252	SLE	46.2030%
Row < 567>	39.6587	69.6594	34.1258	46.0826	97.4399	55.4411	4.1252	4.1252	4.1252	4.1252	SLE	45.8362%
Row < 136>	78.2660	97.4399	97.4399	78.2660	97.4399	30.0007	97.4399	4.1252	37.8919	4.1252	SLE	42.8745%
Row < 493>	50.3433	97.4399	64.1265	20.3426	11.3556	7.8912	4.1252	4.1252	30.0007	4.1252	SLE	42.5440%
Row < 566>	93.1321	97.4399	11.3556	72.1813	97.4399	67.8925	4.1252	4.1252	4.1252	4.1252	SLE	42.2327%
Row < 529>	50.3433	97.4399	34.1258	86.0388	72.9904	20.3426	4.1252	4.1252	67.8925	4.1252	SLE	40.9791%

Algorithm selected: SLE (100.0000%)
The expected disease was: SLE

FIG. 6